

Date: Tue, 30 Mar 93 10:02:25 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #394  
To: Info-Hams

Info-Hams Digest                      Tue, 30 Mar 93                      Volume 93 : Issue    394

Today's Topics:

1rst Amendment rights & Ham Radio. (was: Another 3rd Party Question)  
    ARRL living in the past? (was Re: motive ...)  
        Charging of GELL-CELL Batteries  
            contests  
            GPS equipment  
            motive ...  
            QSL address for PJ0B  
            request tips on Alinco DR599 dualbander  
UHF broadcasting. (was: DESPERATE...NEED TO KNOW FACTS CONCERN)  
    Wanted: thoughts on glass mount ants (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 30 Mar 93 10:54:44 CST  
From: timbuk.cray.com!hemlock.cray.com!cherry10!dadams@uunet.uu.net  
Subject: 1rst Amendment rights & Ham Radio. (was: Another 3rd Party Question)  
To: info-hams@ucsd.edu

In article AA04510@tix.timeplex.com, taylor@tix.timeplex.COM (Seth Taylor) writes:  
|... In most countries  
|they don't have a First Ammendment, so you can't even send data  
|on a commercial channel that is encrypted without giving the govern-  
|ment controlled carrier the deciphering key. We don't realize  
|what freedoms we have in this country (USA) until you examine the  
|lack of personal freedom elsewhere. Remember, u are dealing with  
|3rd party restrictions in countries that still license radio receivers

| (even though the signal one might hear doesn't originate in that  
| country).

Well, it seems to me that if the First Amendment has anything to do with amateur radio, that it ought to protect the right to discuss political information. We don't have that right necessarily, so I'd guess the First Amendment must be kinda weak here?

BTW, how strongly do the rules against discussing politics apply? I notice that Ham radio operators are largely responsible for getting information out of Bosnia. So what determines when it is ok to discuss the affairs of the war in Bosnia and what is happening over there with Bosnian hams, and when it is not ok?

---

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

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Old Sourdoughs never die. They just ferment away.

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Date: 30 Mar 93 16:06:03 GMT  
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net  
Subject: ARRL living in the past? (was Re: motive ...)  
To: info-hams@ucsd.edu

> 3) The definition of "family" for a family membership comes from a  
> different time, not that it was ever valid. It excludes not only  
> gay and lesbian couples and their children, but children who live  
> with their aunts and uncles, grandparents, or other family members.

Tell me about it. I'm stuck getting THREE copies of QST at our house (yes I know they'll avoid sending it to me if I ask) because I have to have two full and one family membership to deal with our household.

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Date: 30 Mar 93 16:38:54 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Charging of GELL-CELL Batteries  
To: info-hams@ucsd.edu

A question was recently asked about charging Gel Cells. Attached is an article that I wrote on the subject a while back. It may answer the question.

Charging of GELL-CELL Batteries

by

Hugh Wells, W6WTU

A Gell-Cell battery should be charged from either a constant voltage source or at a low current value. The Gell-Cell wants to be treated just like a standard lead acid battery in terms of charging and be maintained at a nearly full charge condition for life.

When charging off of a voltage regulated source, adjust the charge voltage to a value just higher than the full charge value of the battery. As the battery reaches full charge, the current will decrease. If desired, the current can be allowed to go to a "zero" value at peak charge.

When charging with a low current value, use a resistor and diode (in case the charge circuit voltage drops below the battery terminal voltage) in series and allow the battery to trickle charge continuously.

The one consideration when continuously trickle charging any lead acid battery beyond a full charge condition, the electrolyte will bubble releasing gas (hydrogen and oxygen). A noticable loss in water content will be observed as a result. It has been observed in a car battery under no load conditions, as an example, that a 100ma continuous charge dissipates water fast enough to require replenishment weekly. The life of a Gell-Cell battery will be shortened under a continuous charge situation where the discharge current never or rarely exceeds the charge current. In other words, allow the discharge current to exceed the charge current about 50% of the time.

The bottom line is that a full charge condition of the battery wants to be maintained, but not "over charged". This is most easily accomplished using a constant voltage source.

Additional charging info for large Gel Cell batteries: The equation for charging large automotive type Gel Cells is not clear to me at this time. However, I suggest the following as a guide until further info becomes available. The concern is to prevent excess heating in the cell during charge.

Capacity	Max Charge current
100 Amp/hr cells	10 amps
10 Amp/hr cells	1 amp
1 Amp/hr	0.5 amp

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Date: 30 Mar 93 16:12:28 GMT  
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net  
Subject: contests  
To: info-hams@ucsd.edu

> The 10m band goes up to 29.7 MHz, and there is little or no contest  
> activity up that high - plenty of room for chattering o

Yeah, but. Ragchewing between in the satellite section of the 29 MHz  
portion is frowned upon, and you also won't make any friends operating  
SSB on the FM portion.

The major portion of 10 that gets blasted is the Novice/Tech section.  
These people can't QSY farther up 10M.

The major problem is that we could peacefully coexist in all parts of the  
band except that during contests many people throw all sense of operating  
practice out the window. There wouldn't be any problem if testers would  
avoid stepping all over QSO's in progress down low. The blackest day in  
contesting is all the QRM-ing by field day participants of the emergency  
nets for the earthquake that occurred during field day last summer.

If people could kindly say "the frequency is in use" and the infringing  
station could move up a few kc, we could be a lot better off...

-Ron

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Date: 30 Mar 93 15:45:01 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: GPS equipment  
To: info-hams@ucsd.edu

My department wants to purchase a GPS receiver. Anyone out there  
have a suggestion of companies to call (or to stay away from)?  
Phone numbers would be helpful.

Thanks -

\*\*\*\*\*  
Michael R. Owen, Ph.D. a.k.a.: W9IP  
Department of Geology Northern Lights Software  
St. Lawrence University Star Route, Box 60  
Canton, NY 13617 Canton, NY 13617  
(315) 379-5975 - voice - (315) 379-0161  
MROWEN@STLAWU or MOWE@SLUMUS  
\*\*\*\*\*

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Date: 30 Mar 93 10:21:43  
From: idacrd.ccr-p.ida.org!idacrd!n4hy@uunet.uu.net  
Subject: motive ...  
To: info-hams@ucsd.edu

> Oh dear. Now the homosexualists are targeting the poor old  
>ARRL? I suppose they like the Boy Scouts are now to be targeted for  
>not openly supporting the behaviour of others.

> When will this discrimination by the homosexualists against  
>others end?

I could not agree more. I bitterly resent the damage done to Boy Scouts by the removal of funding from various sources. Because of this I have removed all forms of support I previously gave to ANY group that supports equal rights for gays with their funds, directly or indirectly. I no longer send monies to my alumni associations, etc. When the economic terrorism against one of the most benevolent organizations stops I will once again support those organizations I have ceased funding. Turn about is fair play and you too must demonstrate that this kind of economic terrorism cannot be allowed to go unanswered. I do NOT support the ban on homosexual kids in Scouting. However, the harm being done to the program is hurting the boys. Many in our area are disadvantaged financially and our ability to help them has been almost wiped out. These kinds of actions serve only to exacerbate the homophobia and hatred of gays by otherwise tolerant people. MYSELF INCLUDED. I have three children in scouting and I am damn proud of it.

Bob

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Robert W. McGwier | n4hy@ccr-p.ida.org  
Center for Communications Research | Interests: amateur radio, astronomy,golf  
Princeton, N.J. 08520 | Asst Scoutmaster Troop 5700, Hightstown  
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Date: 30 Mar 93 17:23:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: QSL address for PJ0B  
To: info-hams@ucsd.edu

I've accidentally erased the e.mail giving the QSL address for PJ0B.  
Please pardon the absent mindedness. I would like to QSL that station,

so any assistance would be appreciated.

TNX ES 73 DE KC6TAH (Nick) (ESTUQJ0@mvs.oac.ucla.edu)

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Date: Tue, 30 Mar 1993 18:43:04 GMT  
From: decctl!news.crl.dec.com!rdg.dec.com!irnbru.enet.dec.com!  
luursema@decwrl.dec.com  
Subject: request tips on Alinco DR599 dualbander  
To: info-hams@ucsd.edu

I just purchased the Alinco DR599 2m/70cm FM set.

I intend to use it for Packet Radio. Now I like to know as much as possible about this set, so anyone who is using it please respond.

Specifically for packet, I would like to know the Microphone input levels for a good modulation.

Also, I would like to know what the remote-control microphone (standard on US models) sends to the set. (is it DTMF tones to pin 6 of the mic plug?). What features can be selected by the programming jumper resistors R30-R35 (not sure about the numbers; out of the top of my head...) at the back of the display module? How are they set on the US model?

I already found out the pinning of the Mic. connector (just by opening the microphone), to find out it hasn't audio output there. It has only separate VHF+UHF Audio output sockets on the back. There also seems no way of remote controlled selection of the band to transmit on. This would make dual band use of packet not easier.

I have found out quite a lot of extra features that are not documented in the preliminary user manual I got with my set. Is there anyone that has a better manual?

If anyone is interested in the extra features I found, I'll type it in and mail it, or post it if there is enough demand.

Any help appreciated.

73s,

Rob, PE1GOX in GM land.

--  
Digital Equipment Corporation, Ayr, Scotland.

Internet: luursema@tizer.enet.dec.com  
Easynet: TIZER::LUURSEMA

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Date: 30 Mar 93 10:02:21 CST  
From: timbuk.cray.com!hemlock.cray.com!cherry10!dadams@uunet.uu.net  
Subject: UHF broadcasting. (was: DESPERATE...NEED TO KNOW FACTS CONCERN)  
To: info-hams@ucsd.edu

In article 1p7gv6INN7gk@bashful.isi.com, jerry@isi.com (Jerry Gardner x323) writes:

|  
|In fact, if I wanted to, I could buy a 1 million watt UHF television  
|transmitter. I wouldn't be able to use it, of course.  
|

But then what does it take to get the appropriate license?

Given all the restrictions againsts Hams broadcasting or against all buisness communications, I would think it might be worth while for a ham club, say, to obtain the license to broadcast on some UHF channel. (After all most UHF channels lie dormant or unused in most cities.) It could be used for PR, business type announcements, politics, and any thing else hams would like to use it for, that otherwise would be prohibited. There certainly ought to be enough tallent to run the thing in the ham community. We wouldn't have to hire any technical people. We undoubtably could run it at a small fraction of the cost required by comercial stations. And, hey, we would even be allowed to raise money! (Make money if it is not a not-for-profit org.)

---  
--David C. Adams Statistician Cray Research Inc. dadams@cray.com

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Old Sourdoughs never die. They just ferment away.

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Date: 30 Mar 93 16:31:17 GMT  
From: sun-barr!news2me.EBay.Sun.COM!west.West.Sun.COM!l1-a!flloyd@decwrl.dec.com  
Subject: Wanted: thoughts on glass mount ants  
To: info-hams@ucsd.edu

In article <1993Mar30.152614.20118@mnemosyne.cs.du.edu> jmaynard@nyx.cs.du.edu (Jay Maynard) writes:

>  
>There's a bunch of folks out there, drill motors and hole saws in hand, just

>waiting to wreak havoc on your new van's metal, all because they claim that's  
>the only way to go.

>

>To them, I politely say: "Bunk!"

>

>I'm running an Avanti 440 MHz glass-mount on my Explorer, and it works just  
>fine, thank you. I even switch between a quarter-wave whip in town and the  
>collinear on the road, with no problems. (The quarter-wave shows a 2:1 SWR or  
>....

Give us a break Jay... Just what in the heck is so sacred about the  
tin that peoples cars are made of anyway? We live in a funny society  
where people take better care of their cars than they do their own  
bodies... For example, Joe Schmoe has a brand new Infinity in which  
only the finest Mobil-1 synthetic oil will go, only the very best tires  
will suffice, etc, etc. All while he's driving up to the Jack-in-the-Box  
window to order a half pound grease burger... sheesh.

And how dare you suggest that I use hole saws! I'll have you know that  
I used a Greenlee chassis punch to make a perfectly round hole right in  
the top center roof of my brand new, 2 day old Explorer. In it I installed  
an NMO mount and a new Diamond B-20 dual band antenna. The cable snaked  
down the door post very nicely and there's not a trace of wiring anywhere  
to be seen. A first class installation, if I do say so myself.

I've seen only one truly good reason for an on-glass antenna: a car  
which has a fiberglass body and no roof. But heck, you can't go  
mountiantopping in a Corvette very well.

On-Glass antennas are an outgrowth of 90's paranoia, an age in which  
people can't make decisions about things which really matter in life.  
In a couple of years you'll see used Explorers on the market with  
flawlessly sparkling roofs fetching exactly zero dollars more than  
mine, which happens to have a nice built-in cellular antenna :-).

If On-Glass was "the way to go", then police departments would do it.

Get a grip Jay, and a hole.

:-)

-fred

--

[ Fred Lloyd, AA7BQ  
[ Sun Microsystems,  
[ Phoenix, AZ

Fred.Lloyd@West.Sun.COM ]  
Southwest Area Solaris Transition Manager ]  
(602) 275-4242 ]



-----  
Date: 30 Mar 1993 16:09:39 GMT  
From: news.larc.nasa.gov!grissom.larc.nasa.gov!kludge@uunet.uu.net  
Subject: Wanted: thoughts on glass mount ants  
To: info-hams@ucsd.edu

In article <1993Mar30.152614.20118@mnemosyne.cs.du.edu> jmaynard@nyx.cs.du.edu (Jay Maynard) writes:

>  
>There's a bunch of folks out there, drill motors and hole saws in hand, just  
>waiting to wreak havoc on your new van's metal, all because they claim that's  
>the only way to go.  
>  
>To them, I politely say: "Bunk!"

That's right, it's not only bunk, but it's a way to do a lot of damage.  
Instead, use a Greenlee sheet metal punch. While they are fairly expensive,  
they do an amazingly clean job.  
--scott

Don't worry about punching holes in the vehicle. Just make sure to do it  
right.

-----  
Date: Tue, 30 Mar 93 17:12:17 GMT  
From: mnemosyne.cs.du.edu!nyx!jmaynard@uunet.uu.net  
To: info-hams@ucsd.edu

References <drw-290393204254@129.193.144.86>,  
<1993Mar30.152614.20118@mnemosyne.cs.du.edu>, <1p9sklINNem5@west.West.Sun.COM>  
Subject : Re: Wanted: thoughts on glass mount ants

In article <1p9sklINNem5@west.West.Sun.COM> flloyd@l1-a.West.Sun.COM (Fred Lloyd [Phoenix SE]) writes:

>Give us a break Jay... Just what in the heck is so sacred about the  
>tin that peoples cars are made of anyway? We live in a funny society  
>where people take better care of their cars than they do their own  
>bodies... For example, Joe Schmoe has a brand new Infinity in which  
>only the finest Mobil-1 synthetic oil will go, only the very best tires  
>will suffice, etc, etc. All while he's driving up to the Jack-in-the-Box  
>window to order a half pound grease burger... sheesh.

Actually, Jack-in-the-Box doesn't do greaseburgers very well. There's a litte  
chain called Bases, though, that does an excellent job...  
(OK, OK, OK... :- ) :-)



>If On-Glass was "the way to go", then police departments would do it.

Police departments don't care one whit about their cars beyond having them go fast, stop straight, and corner well.

>Get a grip Jay, and a hole.

Some hams are no-codes; I'm a no-hole. :-)

--

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can  
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.

"I can understand if it just won't work but I think locking up my system  
to tell me this is a little excessive." -- Steve Luzynski

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Date: Tue, 30 Mar 1993 17:12:35 GMT  
From: netcomsv!netcom.com!jfh@decwrl.dec.com  
To: info-hams@ucsd.edu

References <1p7g6cINN4q1@morrow.stanford.edu>, <jfhC4onx8.4I4@netcom.com>,  
<C4pH5D.Gr2@hpuerca.atl.hp.com>  
Subject : Re: ARRL living in the past? (was Re: motive ...)

edh@hpuerca.atl.hp.com (Ed Humphries) wrote:

>In <jfhC4onx8.4I4@netcom.com> jfh@netcom.com (Jack Hamilton) writes:

>

>>2) QST's attitude towards women hams seems to be somewhat condescending.

>> The ARRL's intentions seem to be good, but not their implementation.

>

>I suppose some fellow netters will want to respond, but I can speak

>a little on this subject:

>

>My wife (Dawn-KI5EV Amateur Extra) has been very well treated in

>all her contacts with ARRL - home and field organization.

I wasn't clear about my objection at all. Women are certainly noticeable in both QST and the reports of ARRL that appear in QST. My objection is more to the style - there's a feeling of "Look! We have women in the organization!", as opposed to just reporting on what they do in the same way men are reported on.

I find this slightly objectionable, but it's understandable - and it's certainly better than ignoring women altogether. The ARRL is making progress, in that area at least.

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Jack Hamilton    jfh@netcom.com    P. O. Box 281107    SF, CA    94128-1107  
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Date: 30 Mar 1993 17:32:26 GMT  
From: ucsd.edu!brian@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Mar30.152614.20118@mnemosyne.cs.du.edu>,  
<1p9sklINNem5@west.West.Sun.COM>, <1993Mar30.171217.11783@mnemosyne.cs.du.edu>  
Subject : Re: Wanted: thoughts on glass mount ants

jmaynard@nyx.cs.du.edu (Jay Maynard) writes:  
>Like the original poster, I have more respect for my truck than to drill holes  
>in it. I haven't drilled a hole in 15 years, and don't intend to in the  
>future, either.

It must be a Texas thing. Around here, if anyone had that much love for  
an inanimate object, most people would pity them and try to get them  
professional help.

It's got a handy-dandy genuine laminated-wood-grain masonite gun rack in  
the back window too, eh?  
- Brian

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Date: Tue, 30 Mar 1993 17:24:31 GMT  
From: usc!zaphod.mps.ohio-state.edu!swrinde!gatech!concert!samba!  
usenet@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <drw-290393204254@129.193.144.86>,  
<1993Mar30.152614.20118@mnemosyne.cs.du.edu>, <1p9sklINNem5@west.West.Sun.COM>  
Subject : Re: Wanted: thoughts on glass mount ants

Well, I'm in the group that wants to drill holes, but quite frankly, I'm  
scared. It's not that I'm afraid of devaluing my car, or doing a shoddy  
job drilling (or punching), it's that nasty headliner.

I've got a 1990 Isuzu Trooper, and I'd like to put 3 NMO mounts on the  
roof (doing it right the first time...high quality cable, attached  
properly [not with duct tape], and all that other stuff I've learned from  
the net). But it appears that my headliner is not only clipped into place,  
but glued around the edges. Does this mean I'm stuck replacing a headliner

that's likely over \$100 (well over...I've bought parts from Isuzu...I guess they make up for the inexpensiveness of the car by screwing you over on parts sales).

Has anyone out there done an antenna install in an Isuzu Trooper? I'd really like some advice. If you haven't done a Trooper, how about anything with a glued in headliner. I've thought about trying to go in through the dome lights (using a depth-limited punch or drill), but I don't know how I'd attach the cable or run it down from the roof.

-ks, KD6RCT

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The opinions expressed are not necessarily those of the University of North Carolina at Chapel Hill, the Campus Office for Information Technology, or the Experimental Bulletin Board Service.  
internet: laUNCHpad.unc.edu or 152.2.22.80

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End of Info-Hams Digest V93 #394

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